

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>NdP/88886</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP2004/013406</b>	International filing date (day/month/year) <b>25/11/2004</b>	(Earliest) Priority Date (day/month/year) <b>28/11/2003</b>
Applicant  <b>TECHINT COMPAGNIA TECNICA INTERNAZIONALE S.P.A</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the International search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The International search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013406A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F23D14/22 F23D14/66

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F23D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 068 468 A (PHILIPPE ET AL) 30 May 2000 (2000-05-30)	1,9
Y	column 11, line 23 - line 43 column 14, line 51 - line 57 column 16, line 4 - line 33 figures 1,2,7,12A,12B,12C	2,3,8
Y	US 4 475 885 A (FINKE ET AL) 9 October 1984 (1984-10-09) column 2, line 33 - column 3, line 24 column 4, line 57 - column 5, line 5 figures 1-4	2,3,8
X	US 5 344 307 A (SCHWARTZ ET AL) 6 September 1994 (1994-09-06) column 6, line 11 - column 7, line 51 figures 3,4	1,22
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

11 March 2005

Date of mailing of the international search report

31/03/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Gavrillu, C

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013406

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AT 358 702 B (MANICH LEO) 25 September 1980 (1980-09-25) column 3, line 24 - line 49 figures 1,2 -----	1
A	US 2003/008255 A1 (FINKE HARRY P ET AL) 9 January 2003 (2003-01-09) page 2, paragraph 23 - paragraph 27 page 4, paragraph 46 - paragraph 48 figures 5,6 -----	1
A	US 6 126 438 A (JOSHI ET AL) 3 October 2000 (2000-10-03) column 7, line 57 - column 8, line 51 figure 1 -----	1
A	US 5 980 243 A (SURBEY ET AL) 9 November 1999 (1999-11-09) column 3, line 1 - line 39; figures 2,3 -----	1
A	US 5 554 022 A (NABORS, JR. ET AL) 10 September 1996 (1996-09-10) column 4, line 64 - column 6, line 23 figures 1-4 -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013406

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6068468	A	30-05-2000	US 5984667 A CA 2181292 A1 CN 1148151 A DE 69632666 D1 EP 0754912 A2 ES 2220965 T3 JP 9112814 A US 5833447 A BR 9603101 A	16-11-1999 18-01-1997 23-04-1997 15-07-2004 22-01-1997 16-12-2004 02-05-1997 10-11-1998 05-05-1998
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US 5554022	A	10-09-1996	NONE	